ARRANGEMENT FOR AUTOMATED TELLER MACHINE COMMUNICATIONS BASED ON BISYNC TO IP CONVERSION

ABSTRACT OF THE DISCLOSURE

A novel translation is used to enable the transport of bisync information from an automated teller machine (ATM) to a host computer via an Internet Protocol network, without the necessity of providing a serial data stream to a host server for transport of bisync information. A router includes a serial interface configured for receiving a bisync serial data stream carrying Base-24 protocol data

5   from the ATM. The router is configured for retrieving the Base-24 data from the bisync serial stream, and generating a new header that specifies attributes of the Base-24 message from the ATM; the Base-24 message and the corresponding new header are sent by the router to the host server according to Internet Protocol, enabling the host server to receive the Base-24 message and any associated status information based on the corresponding supplied header. The router also is

10   configured for receiving via the data network an IP packet having a Base-24 message generated by the host server, and the associated header, and generating a bisync header based on the received header. The router can then output a new bisync frame having the generated bisync header and the Base-24 message generated by the host server, for the local ATM via the serial connection.